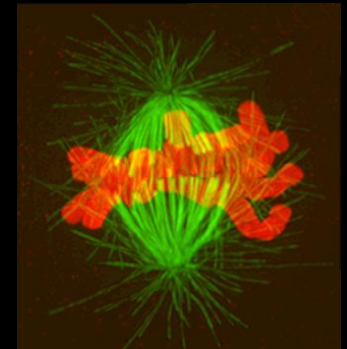


Coming Biology Information Sessions

Introduction to Graduate school

Dr. Gidi Shemer

Wed, Feb 22 5:00-6:30 pm 107 Wilson Hall

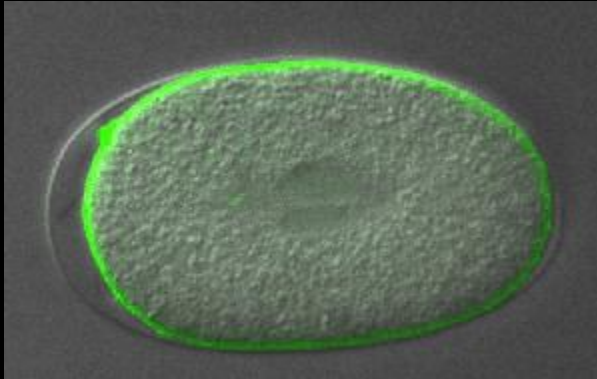


For questions, please contact Dr. Gidi Shemer at bishemer@email.unc.edu

Biology Undergraduate Research

Dr. Gidi Shemer

Wilson G41 bishemer@email.unc.edu



Bob Goldstein



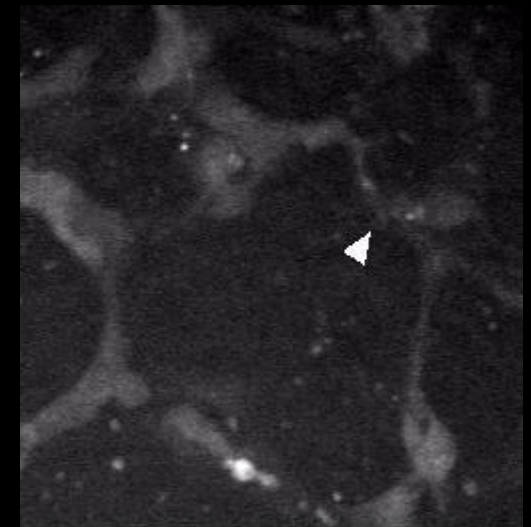
Ted Salmon



Ty Hedrick



Vicki Bautch

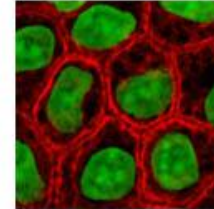


Research Fields



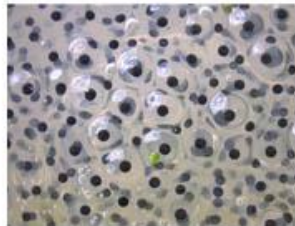
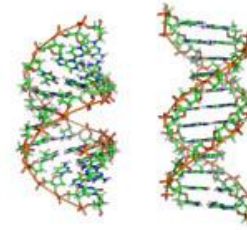
Ecology

Cell and Developmental
Biology



Evolutionary
Biology

Genetics and Molecular
Biology



Organismal and Behavioral
Biology

Plant Biology



Undergraduate Research

- What is it?
- Why should I do it?
- Research for credit/paid research
- How do I find the right lab?
- Tips

Undergraduate Research

What is it?

Principle Investigator (PI)

Graduate students

Postdocs

Research
associate/lab
manager

Undergraduate students



What do I do there?

- You will be mentored by a lab member
- Learn about the **big picture** and how **your project** fits into the picture
- Learn the basic techniques
- Gradually becoming more and more independent (in skills AND thinking)
- Meeting with your supervisor and participate in lab meetings
- Write a 10-page paper at the end

Undergraduate Research

Why should I do it?

1: Considering doing research in the future



Dr. Jennifer DeLuca

What are graduate schools looking for?



- Undergraduate GPA
- Skills
- Graduate Record Exam (GRE) scores
- Recommendation letters
- Personal statement

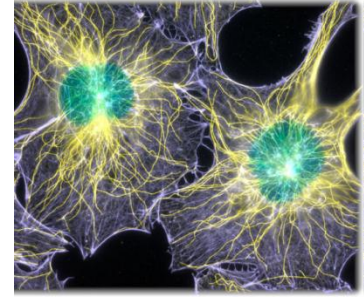


**Research, research and more
research experience**

2: I DON'T know what I want to do



Why should I do it?



- This is one of the top research institutions in the country!
- You will be part of a team
- You are probably going to be the first person doing this exact experiment
- You will start thinking like a scientist
- The first step toward an Honors thesis



Three options:

- For credit
- Get paid
- Volunteer

Research for credit is not a must, but is preferable

Research for credit is restricted for Biology majors

Credit for Research

BIOL 395

-Prerequisites: 201 or 202

GPA 3.0 or better

- Duration : 1-2 semesters (up to 6 credit hr.)

- may be continued as 396 with P/F

- Credit : 3-5 hr. count as a biology elective

6 hr. count as a biology elective w/ a lab

Counts as **Experiential Education**

BIOL 295

- **Prerequisites: 201 or 202**
GPA > 2.0
- **Duration : Only 1 semester**
- **Credit : Counts for your 120/123 hr.**
Counts as **Experiential Education**

BIOL 293 - Internship

- **Prerequisites:** 201 or 202
GPA > 2.0
- **Location:** Off campus (e.g. RTP, Alaska)
- **Credit :** Does NOT count as a biology elective
Counts for your 120/123 hr.
Counts as **Experiential Education**
- **Payment:** possible
- Make sure it is approved **IN ADVANCE**
Dr. Steve Matson [smatson@bio.unc.edu]
Dr. Jennifer Coble [JCoble@bio.unc.edu]

BIOL 395 can be taken in the summer
(135 hrs. of lab work)

It does involve registering to summer school
(and that means paying for summer school...)

Another option: find a paid research
position, continue with research for credit
in the fall semester

BIOL 211-

An introductory course to research in Biology

Dr. Pat Pukkila

211 + 395 = bio elective w/ lab

How do I identify a lab?

1. <http://www.bio.unc.edu/>
2. <http://webapps.med.unc.edu/BBSP/BBSPFaculty/research>
4. http://www.unc.edu/depts/our/for_students.html
(Office of Undergraduate Research + Liaisons)

Please also look at the **CRSP** program!

How do I find a lab position?

1) You have to FIND a lab: search department websites on your own, look for flyers around science buildings

2) APPROACH the "P.I." (principal investigator); This person is a PhD or MD or runs the lab

3) ASK/APPLY for a position (via email with a resume or by walking over to the lab). Impress them like you would do for any job interview. *Address these questions:* Why do you want to do research? What do you want to do it in their lab? What are your strengths? What courses have you taken that are relevant?



**“to whom it
may concern”**

“I couldn’t find any lab position”

Stand out in class and discuss research opportunities with **your professor**

Look for positions of **lab technician** and **lab assistant**



Help Will Bradford and interview faculty for the new website bradford.will@gmail.com

<http://www.bio.unc.edu/ByUndergrads/>

Finally, I found a lab, how do I register?

- Pick up a form from **Student Services** at 213 Coker
- The form requires your PI's signature. Fill out the form and bring it back. Ms. Summer Montgomery will enroll you
- **Deadline: 1st week of the semester**

Finally, I found a lab, how do I register?

- If the research is performed in another department, you must identify a **Biology sponsor**

Any special circumstances:

Dr. Gidi Shemer

bishemer@email.unc.edu

Other opportunities

Institute for the Environment

<http://www.ie.unc.edu/>

Contact Dr. Greg Gangi at

ggangi@email.unc.edu

